
LISTING OF CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Claims 1-9 (canceled).

10. (currently amended) A device for detecting the concentration and/or existence of substances in body fluids of a living body, said device comprising:

~~an access means~~ a port body with an elastic self closing diaphragm for accessing the interior of the living body, said ~~access means~~ port body implantable in the skin of the living body; and ~~adapted to allow access to the body fluids through said diaphragm~~

a tube extending from the port body into the interior of the living body, the port body and tube being adapted to allow a detection device to be guided through the tube into the interior of the living body.

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Claim 11 (canceled).

12. (currently amended) The device as set forth in claim 10, wherein said detection device is a test sensor ~~access means comprises a port body, implantable in the skin and comprising a tube arrangement extending into the interior of the body through which a test sensor may be guided into the interior of the body.~~

13. (currently amended) The device as set forth in claim 12, said port body further comprising a ~~separate~~ second tube extending from the port body into the interior of the living body, the port body and second tube being adapted to allow a catheter to be guided through the second tube into the interior of the living body for the insertion of a test sensor.

14. (currently amended) The device as set forth in claim 10, wherein said detection device is ~~said access means associated with~~ a microdialysis probe via which substances in the body fluid may be withdrawn.

15. (currently amended) A device for detecting the existence of substances in body fluids of a living body, the device comprising: ~~The device as set forth in claim 10, said access means comprising~~ a port body implanted in the skin of a living body, and comprising a shaft section to which a generally disc-shaped anchoring section is attached, said shaft section providing a generally hollow enclosure containing an elastic self-closing diaphragm, a feed tube and an aspiration tube extending away from said shaft section and into an interior region of the body, a feed catheter and an aspiration catheter received respectively in said feed tube and said aspiration tube.

16. (currently amended) A method of analyzing body fluids comprising the steps of:
providing a port member containing an elastic closing diaphragm for accessing the interior of a body, said port member implanted in the body skin and comprising a feed tube and an aspiration tube extending away from said elastic closing diaphragm and into an interior region of the body; and
testing body fluids via said port member.

17. (currently amended) The method according to claim 16, ~~wherein the port member provides for the delivery of substances into the body~~ further comprising routing a feed catheter into said feed tube and an aspiration catheter into said aspiration tube.

Claims 18-20 (canceled).

21. (currently amended) The device as set forth in claim 12, wherein said ~~access means~~ port body further comprises an anchor, wherein said anchor is implanted in or under the skin, and supports said port body.

22. (previously added) The device as set forth in claim 21, wherein said anchor is generally disc shaped.

23. (previously added) The method as set forth in claim 16, wherein said port body is supported in the body via an anchor, said anchor being implanted in or under the skin, and holding said port body in place.

24. (previously added) The method as set forth in claim 23, wherein said anchor is generally disc shaped.

Claims 25 and 26 (canceled).

27. (currently amended) A device for subject fluid analysis, the device comprising:

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- (a) an elastic self closing diaphragm located in a port body implanted in the skin of a body;
 - (b) a feed element associated with the self closing diaphragm, the feed element being suitable for delivery of a substance into a subject; and
 - (c) an aspiration element associated with the self closing diaphragm, the aspiration element having a second distal end disposed opposite the elastic self closing diaphragm, wherein the aspiration element is suitable for accessing subject fluids.

28. (previously added) The device of claim 27 further comprising an analysis element insertably associated with the aspiration element, the analysis element being suitable for analysis of the subject fluids.

29. (previously added) The device of claim 28 wherein the analysis element is insertably disposed within the aspiration element.

30. (previously added) The device of claim 29 wherein the analysis element is insertably disposed at a midpoint of the aspiration element.

31. (previously added) The device of claim 28 wherein the analysis element is insertably disposed externally to the introduction element, the analysis element having been extended through the distal end of the aspiration element.

32. (previously added) The device of claim 28 wherein the analysis element is a sensor.

33. (previously added) The device of claim 28 wherein the analysis element is a probe.

34. (previously added) The device of claim 27 further comprising a feed tube disposable within the elastic self closing diaphragm and the feed element, the feed tube being suitable for delivery of the substance into the subject.

35. (previously added) The device of claim 34 wherein the feed tube is a catheter.

36. (previously added) The device of claim 27 further comprising an aspiration tube disposable within the elastic self closing diaphragm and the aspiration element, the aspiration tube being suitable for accessing the subject fluids.

37. (previously added) The device of claim 36 wherein the aspiration tube is a catheter.

38. (previously added) The device of claim 27 wherein the aspiration element is suitable for complete extraction of the subject fluids.

39. (previously added) The device of claim 27 wherein the aspiration element is suitable for partial extraction of the subject fluids.

40. (currently amended) A method of analyzing subject fluids comprising the steps of:

(a) accessing a site through an elastic self closing diaphragm associated with an introduction element and contained within a port body implanted in the skin of a living body;

(b) analyzing the subject fluids via a first tube disposable within the elastic self closing diaphragm and the introduction element.

Claim 41 (canceled).

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42. The method of claim 40 further comprising the step of delivering a substance into the site via the introduction element.
43. The method of claim 42 wherein the substance is delivered via a second tube disposable within the elastic self closing diaphragm and the introduction element.
44. The method of claim 42 further comprising the step of extracting the subject fluids via the introduction element.
45. The method of claim 44 wherein the subject fluids are extracted via the first tube.
46. The method of claim 40 further comprising the step of extracting the subject fluids via the introduction element.
47. The method of claim 46 wherein the subject fluids are extracted via the first tube.
48. The method of claim 40 further comprising the step of inserting an analysis element via the introduction element.
49. The method of claim 48 further comprising the substep of inserting the analysis element to a midpoint of the introduction element.
50. The method of claim 48 further comprising the substep of inserting the analysis element to a distal end of the introduction element.
51. The method of claim 48 further comprising the substep of inserting the analysis element via the introduction element into the site, the analysis element being disposed externally to the introduction element.
52. The method of claim 48 wherein the analysis element is a sensor.

53. The method of claim 48 wherein the analysis element is a probe.

54. (currently amended) A method of analyzing subject fluids and providing substances to the subject fluids comprising the steps of:

(a) accessing a site through an elastic self closing diaphragm implanted in the skin of a living body;

(b) delivering a substance to the site via a feed element associated with the elastic self closing diaphragm; and

(c) analyzing the subject fluids via an aspiration element associated with the elastic self closing diaphragm.

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Claim 55 (canceled).

56. The method of claim 54 further comprising the step of extracting the subject fluids via the aspiration element.

57. The method of claim 54 further comprising the step of inserting an analysis element via the aspiration element.

58. The method of claim 57 further comprising the substep of inserting the analysis element to a midpoint of the aspiration element.

59. The method of claim 57 further comprising the substep of inserting to a distal end of the aspiration element.

60. The method of claim 57 further comprising the substep of inserting the analysis element via the aspiration element into the site, the analysis element being disposed externally to the aspiration element.

61. The method of claim 57 wherein the analysis element is a sensor.

62. The method of claim 57 wherein the analysis element is a probe.